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# Product datasheet for TP760493

## RGS3 (NM_144489) Human Recombinant Protein

### Product data:

| | |
|---|---|
| **Product Type:** | Recombinant Proteins |
| **Description:** | Purified recombinant protein of Human regulator of G-protein signaling 3 (RGS3), transcript variant 5, full length, with N-terminal HIS tag, expressed in E.Coli, 50ug |
| **Species:** | Human |
| **Expression Host:** | E. coli |
| **Expression cDNA Clone or AA Sequence:** | A DNA sequence encoding human full-length RGS3 |
| **Tag:** | N-His |
| **Predicted MW:** | 34.9 kDa |
| **Concentration:** | >0.05 µg/µL as determined by microplate BCA method |
| **Purity:** | > 80% as determined by SDS-PAGE and Coomassie blue staining |
| **Buffer:** | 25 mM Tris-HCl, pH 8.0, 150 mM NaCl, 1% sarkosyl, 10% glycerol |
| **Note:** | For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process. |
| **Storage:** | Store at -80°C. |
| **Stability:** | Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles. |
| **RefSeq:** | NP_652760 |
| **Locus ID:** | 5998 |
| **UniProt ID:** | P49796, A0A024R833 |
| **RefSeq Size:** | 1773 |
| **Cytogenetics:** | 9q32 |
| **RefSeq ORF:** | 933 |
| **Synonyms:** | C2PA; RGP3 |

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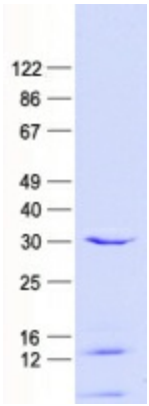
**Summary:** This gene encodes a member of the regulator of G-protein signaling (RGS) family. This protein is a GTPase-activating protein that inhibits G-protein-mediated signal transduction. Alternative splicing and the use of alternative promoters results in multiple transcript variants encoding different isoforms. Long isoforms are largely cytosolic and plasma membrane-associated with a function in Wnt signaling and in the epithelial mesenchymal transition, while shorter N-terminally-truncated isoforms can be nuclear. [provided by RefSeq, Jan 2013]

**Protein Families:** Druggable Genome

**Protein Pathways:** Axon guidance

## Product images:

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